

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A rear-projection ~~Rear-projection~~ screen which has comprising at least one scattering layer ~~encompassing~~ comprising scattering particles and has comprising at least one backing layer, ~~characterized in that the halved-intensity angle of~~ wherein the scattering layer is has a halved-intensity angle greater than or equal to 15° and ~~the halved-intensity angle of the backing layer is~~ has a halved-intensity angle smaller than or equal to 6.5° , where the gloss R_{60° of the backing layer is smaller than or equal to 70.

Claim 2 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to Claim 1, ~~characterized in that~~ wherein the median diameter of the scattering particles is in the range from 0.1 to 40 μm .

Claim 3 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to Claim 2, ~~or 3, characterized in that~~ wherein the scattering particles encompass plastic.

Claim 4 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the average surface roughness R_z of the surface of the backing layer is in the range from 3 to 40 μm .

Claim 5 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the gloss R_{85° of the scattering layer is smaller than or equal to 60.

Claim 6 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the backing layer has a multilayer structure.

Claim 7 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the gloss of the backing layer is achieved via application of a film.

Claim 8 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the halved-intensity angle of the backing layer is smaller than or equal to 3° .

Claim 9 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the thickness of the backing layer is in the range from 1 to 10 mm.

Claim 10 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the thickness of the scattering layer is in the range from 0.1 to 1 mm.

Claim 11 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the quotient calculated by dividing the thickness of the backing layer by the thickness of the scattering layer is in the range from 1:1 to 50:1.

Claim 12 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the average surface roughness R_z of the scattering layer is in the range from 4 to 50 μm .

Claim 13 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the scattering layer encompasses at least two particles (A) and (B), which differ in size.

Claim 14 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to Claim ~~[[14]]~~ 13, ~~characterized in that~~ wherein the median diameter of the particles (A) is in the range from 0.1 to 40 μm and their refractive index differs from that of ~~the plastics~~ a plastic matrix by from 0.02 to 0.2, while the median diameter of the particles (B) is in the range from 10 to 150 μm and their refractive index differs from that of ~~the a~~ a polymethyl methacrylate matrix by from 0 to 0.2.

Claim 15 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the scattering layer and/or the backing layer has been coloured.

Claim 16 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the transmittance of the rear-projection screen is at least 25%.

Claim 17 (Currently Amended): The rear-projection ~~Rear-projection~~ screen according to ~~one of the preceding claims, characterized in that~~ Claim 1, wherein the

scattering layer and the backing layer are composed of coextruded polymethyl methacrylate with a path difference of at most 25 nm due to optical birefringence.

Claim 18 (Currently Amended): The rear-projection screen according to Claim 1,
wherein ~~Moulding according to one of the preceding claims, characterized in that the~~
D65/10° yellowness index of the ~~moulding~~ rear-projection screen to DIN 6167 is smaller than
or equal to 12.

Claim 19 (Currently Amended): The rear-projection screen ~~Moulding according to~~
~~one of the preceding claims, characterized in that~~ Claim 18, wherein the weathering
resistance of the ~~moulding~~ rear-projection screen to DIN 53 387 is at least 5000 hours.

Claim 20 (Currently Amended): A process ~~Process~~ for producing a rear-projection
screen according to ~~one or more of Claims 1 to 17, characterized in that~~ Claim 1, wherein a
moulding composition which ~~encompasses~~ comprises scattering particles is extruded to give
a layer, and this layer is then bonded to a backing layer.

Claim 21 (Currently Amended): A process ~~Process~~ for producing a rear-projection
screen according to ~~one or more of Claims 1 to 17, characterized in that~~ Claim 1, wherein a
moulding composition ~~encompassing~~ comprising scattering particles is coextruded with a
moulding composition which ~~encompasses~~ comprises no, or only a very small amount of,
scattering particles.

Claim 22 (Currently Amended): The process ~~Process~~ according to Claim 20 ~~or 21~~, ~~characterized in that use is made of~~ wherein an embossing roll ~~for~~ is utilized in producing the backing layer.

Claim 23 (Currently Amended): A process ~~Process~~ for producing a rear-projection screen according to Claim 17, ~~characterized in that~~ wherein the polymethyl methacrylate is extruded to give a sheet or film, and the extruded sheet or film is then heated to 110-190°C for from 5 minutes to 24 hours.

Claim 24 (Currently Amended): A method for projecting in 3D comprising utilizing ~~Use of~~ a rear-projection screen according to Claim 17 ~~for 3D projection~~ to project an image in 3D.